MARYLAND HISTORICAL TRUST DETERMINATION OF ELIGIBILITY FORM

NR Eligible:	yes	
	no	

Property Name: SHA Bridge No. 1603800, MD 212 over Indian Creek	Inventory Number: PG: 61-27					
Address: Powder Mill Road (MD 212)	_ Historic district: yes X no					
City: Greenbelt Zip Code: 20770	County: Prince Georges					
USGS Quadrangle(s): Beltsville						
Property Owner: State Highway Administration	Tax Account ID Number:					
Tax Map Parcel Number(s): Tax Map Num	ber:					
Project: Reevaluation of Highway Bridges Statewide Agence	cy: FHWA/MD SHA					
Agency Prepared By: KCI Technologies, Inc.						
Preparer's Name: Kim Sebestyen	Date Prepared: 10/16/2009					
Documentation is presented in: Project Review and Compliance Files						
Preparer's Eligibility Recommendation: X Eligibility recommended	d Eligibility not recommended					
Criteria: X A B X C D Considerations: A	BCDEFG					
Complete if the property is a contributing or non-contributing resour	rce to a NR district/property					
Name of the District/Property:						
Inventory Number: Eligible:y	es Listed: yes					
Site visit by MHT Staff yesX no Name:	Date:					
Description of Property and Justification: (Please attach map and photo)						
SHA Bridge No. 1603800 (MIHP No. PG: 61-27) is located in Beltsville and car George's County. Indian Creek is a tributary stream of the Northeast Branch of Anacostia River at Hyattsville. The bridge is located in a partially wooded area on the west side of the bridge.	the Anacostia River, which flows into the					
The two-span concrete slab bridge was built in 1937 and carries one lane of traff classified as an Urban Minor Arterial roadway. The ADT as of 2006 was 35,421 2026. The current BSR rating for the bridge is 77.6 (SI&A Report 2007).						
Background						
The Interagency Historic Highway Bridge Inventory Committee (HHIBC) considered the 1995 MIHP form and subsequently determined Bridge No. 1603800 to be eligible for the National Register of Historic Places (NRHP). The Maryland Historical Trust (MHT) concurred with the determination in 2001 as a significant example of its type eligible under NRHP Criterion C.						
MARYLAND HISTORICAL TRUST REVIEW						
Eligibility recommended Eligibility not recommended						
Criteria:ABCD Considerations:A	BCDEFG					
MHT Comments: Information purposes only - Bridge ten	nains NR-eligible					
Tim Ja annua	5/14/2010					
Reviewer, Office of Preservation Services	Date					
Reviewer, National Register Program	Date					

Page 2

SHA Bridge No. 1603800 was re-evaluated for NRHP eligibility as part of the 2009 statewide re-evaluation of the eligible bridges in SHA's Historic Highway Bridge Inventory. SHA requested that KCI conduct research to gather information and provide additional analysis of each of the bridge's integrity and significance to supplement the original NRHP evaluation. KCI conducted additional research at SHA's Office of Structures (OOS) to gather information on alterations and repairs that have been made to the structure. The following files at OOS were reviewed by the architectural historians and engineers: Bridge Inspection Reports (BIR), repair history files, SHA Bridge Plans, the Bridge Inspection and Remedial Engineering (BIRE) Worklist, and Structure Inventory and Appraisal (SI&A) reports. A KCI architectural historian visited the bridge to examine and document current conditions with field notes, digital photography, and black and white photography. For evaluation of the bridge's historic significance and NRHP eligibility, KCI consulted the original MIHP form, Historic Highway Bridges in Maryland: 1631-1960: Historic Context Report, A Context for Common Historic Bridge Types, NCHRP Project 25-25, Task 15, and "NR Bulletin 15: How to Apply the National Register Criteria for Evaluation."

Evaluation and Justification

The MIHP form stated that SHA Bridge No. 1603800 retains integrity of design and material and that it has had no major alterations and was in good condition according to the May 1995 inspection report. Inspection reports from 1995 through 2008 indicate that deterioration of the concrete has been progressing during the period; however, no major alterations have been made t the structure. The bridge is located adjacent to the Beltsville Agricultural Research Center (BARC), which was determined eligible for listing in the NRHP in 2000. The 1937 bridge, built concurrently with BARC's expansion in the 1930s and 1940s, likely supported this expansion by providing a safe and modern route into the facility from the surrounding major roadways.

The superstructure was given a rating of 6 in the 2007 BIR; this rating has remained the same since 1995. The 2009 field survey noted that the walls have minor cracking and spalling with some visible aggregate and rusted rebar. Modern W-beam guardrails were attached at each of the corners by bolting them through both sides of the walls. The parapet walls have a non-standard desig with Streamline Moderne influence (MIHP form, SHA Bridge Plans 1937). The underside of the deck has some minor cracking a well as a few larger cracks with efflorescence and dripping stalactites. Previous concrete repairs under the deck are cracking.

The substructure was given a rating of 6 in the 2007 BIR; this rating has remained the same since 1995. The pier has deteriorating concrete on both ends. The north end of the pier is scaled at the top back to the slab and has cracks and heavy efflorescence. The metal pier nose cap is exposed and heavily rusting. The south pier has heavy deterioration of the top two feet of material with exposed rusted rebar. There is heavy efflorescence, cracking, and rust stains across the front of the pier. There are cracks and efflorescence across both sides of the pier. The abutments have several full-height, open cracks and moderate scaling, with scour along the waterline. The wingwalls have minor cracking and efflorescence.

The deck was given a rating of 6 in the 2007 BIR report; this rating has remained the same since 1995. SHA Bridge Plans and th field survey show that the deck is a super-elevated deck. The bituminous riding surface of the deck is generally in good condition with minor cracking. The curbs have minor cracking, scaling, and some aggregate visible. The north side curb has a large spall with rusted rebar protruding located near the span joint.

SHA Bridge No. 1603800 is located between Baltimore Avenue (US 1) on the west and Beltsville Agricultural Research Center (BARC) on the east. BARC, one of the biggest agricultural research centers in the US in the twentieth century, was established in 1910 and was determined eligible for listing in the NRHP in 2000. BARC is comprised of several experimental farms that encompass 6,582 acres of land. MD 212 links US 1 to the Powder Mill Road entrance to BARC and would have provided a

	LAND HIS		L TRUS		EW gibility not recommen	ıded						
Criteri MHT	a:A Comments:	_В	c .	D	Considerations:	A .	B	C	D .	Е	F	G
	Revie	wer, Offi	ce of Pre	servatio	on Services			Date			*0	
Reviewer, National Register Program						Date						

Page 3

driving route between portions of the center located west of US 1 and those located to the east. The oldest portion of the center, Central Farm, was constructed in 1910 and is located adjacent to the east of the bridge. Other sections of the center, North Farm and Linkage Farm, are located to the west of Central Farm and were developed in the 1930s and 1940s by Depression era programs (MIHP form).

SHA Bridge Plans show that Bridge No. 1603800 replaced an earlier bridge in this location. The current bridge was constructed i 1937 during a period of extensive growth of the farms at BARC. During the 1930s, many new buildings were constructed at the center and research in animal diseases, entomology, and plant studies were undertaken, as well as the development of the Food an Drug Administration, the Forest Service, Soil Conservation Service, and Environmental Protection Agency. Other entities such as the National Aeronautics and Space Administration, Office of Naval Research, and the University of Maryland also conducted research at BARC during these years (USDA website). As the development of the farms increased and more employees were commuting to work at BARC, the infrastructure of this area would have needed to be upgraded to cope with the increase in traffic. MD 212 would have provided an important commuter route between parts of Beltsville and the BARC campus, as well as a link between the separate farms.

By 1937, the use of standard plans for bridge construction was commonplace. According to P.A.C. Spero & Co., "standardization was encouraged for straightforward crossings without special circumstances" (Spero 1995). Bridge No. 1603800 was constructed with parapet walls that deviate from the standard plan in that the walls have articulated coping stones, stylized openings, and Streamline Moderne influenced end blocks (MIHP form). There does not seem to be any explanation for the deviation from standard plan and the reason may have been that this bridge was located on one of the gateway roads into the Central Farm facility of BARC. As noted in the DOE for BARC, the Civilian Conservation Corps (CCC) was associated with the property so it is possible that workers from this group helped to design and build the bridge so that it would fit in with the surroundings. Several mid-1930s concrete bridges on US 40 in Frederick and Howard Counties also exhibit stone cladding and distinctive architectural details; one of these, SHA Bridge No. 1303400, US 40 over Forest Park Road, lies within Patapsco Valley State Park and is near several park structures that were designed and built by the CCC.

A close examination reveals that this bridge has had some deterioration of materials, design, and workmanship, but it has not deteriorated enough to alter the integrity of the bridge. There have been no major alterations or repairs to the bridge and it retains all of its CDEs. The location remains the same and the setting is still mostly rural with only a small amount of commercial development to the northwest of the bridge. BARC remains a major experimental center and the bridge continues to provide access to the property from surrounding roadways. The overall feeling of the bridge is good. Due to the deviation from standard plan on the parapet walls, the structure is a potentially important example of a concrete slab bridge of its time period. Based on thi evaluation, Bridge No. 1603800 is recommended eligible for inclusion in the NRHP under Criterion C. Additional background research indicates that the bridge provided a transportation link between BARC and the local community as well as a link betweer different sections of the BARC campus during the period of major development and experimentation at the facility. Thus, this bridge is recommended eligible for listing in the NRHP under Criterion A. The bridge is not associated with a known person of local, regional, or national significance (Criterion B). Criterion D was not evaluated as part of the historic standing structures studies for this project.

MARYLA	ND HISTO	DRICAL	TRUST	REVI	EW							
Eligibility	recommen	ded		Eli	gibility not recomme	nded						
Criteria:		B	C _	D	Considerations:	A	B	c	D .	E .	F	G
Reviewer, Office of Preservation Services						Date						
Reviewer, National Register Program					,		Date					

MIHP No. PG;61-27 SHA Bridge No. 1603800 MD 212 over Indian Creek Prince George's County, Maryland

Photograph Log

Image File Name	Description of View		
PG-61-27 2009-01-12 01.tif	South elevation, facing north		
PG-61-27 2009-01-12 02.tif	North elevation, facing south		
PG-61-27 2009-01-12 03.tif	North parapet wall, facing northeast		
PG-61-27 2009-01-12 04.tif	South elevation pier, facing northwest		
PG-61-27 2009-01-12 05.tif	Pier north end, facing south		

Printed on Epson Premium Photo Paper Glossy with Epson UltraChrome Black Ink

Saved on Verbatim UltraLife Archival Grade DVD-R, AZO recording dye



MIHP No. PG; 61-27 MD 212 over SHA Bridge No. 1603800/ Indian Creek P66 MD Kimbery Schanger 1/12/09 South elevation facing north



MINP No. PG, 81-27 SHA Bridge 160200 / Indian Rum Pla 60- MD K. Schesten 1/12/09 MD SUPPOSO N. elev. Facing S.

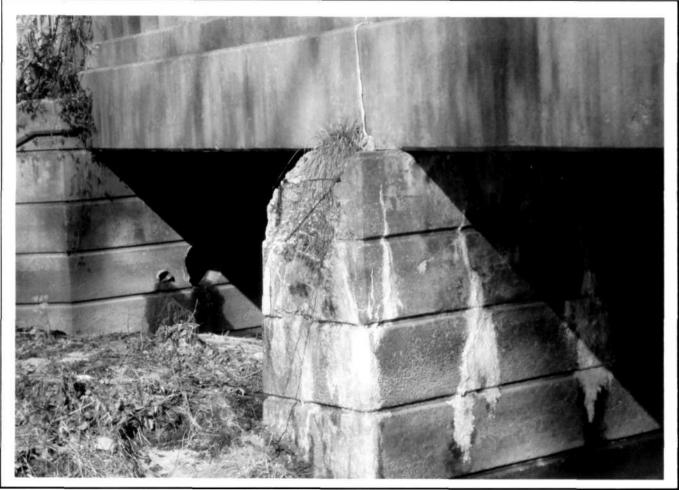
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NOS93



MIHP No. PG; 61-27 Mi) 212 over SHA Bridge No. 1603800/ Indian Run PG Co. MD L. Subestyper MD SUPD 1/12/09 N. Pewapet Wall, Riche NE

40⁵d³



MIHP Nb. P6; 61-27 MD 212 over SHA Bridge No. 16038 00 / Indian Creak PG CO. MDON K. Scheshen MD SHPD 1/12/09 S. elev. Pier, Fring New EPSON

-0½



MIHP No. PG; 61-27 SHA Bridge No. 1603800 MD 212 over Indian Creek Pla Co. MD K. Schestyen /12/0950 MD SHPD Pier northerd, Facing Ses 5/5

Maryland Historical Trust

Maryland Inventory of Historic Properties number: 76 6-27

Name: 16038/1	VD,	2120188	[N	DIA	2	CE	EE	V.		New Y
The bridge referenced here Historic Bridge Inventory, The Trust accepted the His determination of eligibility	and SI toric B	AA provided the Trust wi	th elig	ibility	deterr	ninatio	ons in	Febru	ary 20	001.
Eligibility Recommended	X	MARYLAND HISTOI	RICA	L TRU Eligib		lot Re	comm	ended		
Criteria:AB Comments:			_A _		-					
Reviewer, OPS:_Anne E. Bruder							April :			

MARYLAND INVENTORY OF HISTORIC BRIDGES HISTORIC BRIDGE INVENTORY MARYLAND STATE HIGHWAY ADMINISTRATION/MARYLAND HISTORICAL TRUST

MHT No. PG:61-27

SHA Bridge No. 16038 Bridge name MD 212 over Indian Creek
LOCATION: Street/Road name and number [facility carried] MD 212
City/town Greenbelt Vicinity X
County Prince George's
This bridge projects over: Road Railway Water X Land
Ownership: State X County Municipal Other
HISTORIC STATUS: Is the bridge located within a designated historic district? Yes No _X National Register-listed district National Register-determined-eligible district Locally-designated district Other
Name of district
BRIDGE TYPE: Timber Bridge: Beam Bridge: Truss -Covered Trestle Timber-And-Concrete
Stone Arch Bridge
Metal Truss Bridge
Movable Bridge: Swing Bascule Single Leaf Bascule Multiple Leaf Vertical Lift Retractile Pontoon
Metal Girder: Rolled Girder: Plate Girder: Rolled Girder Concrete Encased: Plate Girder Concrete Encased:
Metal Suspension
Metal Arch
Metal Cantilever
Concrete X : Concrete Arch Concrete Slab X Concrete Beam Rigid Frame Concrete Slab X Concrete Beam Rigid Frame Slab X Concrete Beam Slab Frame Slab X Concrete Beam Slab Frame Slab X Concrete Beam Slab Frame Sl

PG: 61-27

DESCRIPTION: Setting: Urban X Small town Rural Describe Setting:							
Bridge No. 16038 carries MD 212 over Indian Creek. It is located in a suburban portion of Prince George's County. There is an office complex located nearby. The road runs in an east-west direction, and Indian Creek flows south-north.							
Describe Superstructure and Substructure: Bridge No. 16038 is a two span two-lane concrete slab bridge constructed in 1937. The superstructure comprises open concrete parapets and a concrete slab. The design of the parapets differentiate this structure from standard SHA designs constructed during the same time period. The parapets have articulated coping stones, stylized openings, and the end blocks are reminiscent of Streamline Moderne in their design. The superstructure is supported by concrete abutments, flared wingwalls, and a solid pier. These substructure elements are all decorated with molded chamfering, and the wingwalls have a simple cap. The approaches all have guiderails which are bolted into the parapet walls.							
The most recent inspection of this bridge was completed in May 1995, and its condition was described as follows. The slab has hot sealed transverse cracks and hollow sounding areas. The reinforced concrete pier wall has fine vertical cracks with efflorescence and exudation. Both sides have moderate water abrasion with aggregate exposed. The south end of the pier has heavy to severe deterioration up to 6" deep with heavily rusted rebar exposed. This deterioration extends up to the top of the cap. The north side at the pier along the bottom edge has a 3' long spall with rusted rebar exposed. Both abutments exhibit efflorescence, cracking, water abrasion with aggregate exposed, some pop-outs, and hollow sounding areas. The wingwalls have light water abrasion and a few fine vertical cracks. The parapets have scaling with aggregate exposed.							
Discuss Major Alterations: According to available county records for this bridge, the structure has had no major alterations.							
HISTORY:							
WHEN was the bridge built (actual date or date range) 1937 This date is: Actual Estimated X							
This date is: Actual EstimatedX Source of date: Plaque Design plans _X County bridge files/inspection form Other (specify) State Highway Administration bridge files							
WHY was the bridge built? Local transportation needs							
WHO was the designer? Unknown							
WHO was the builder? Unknown							
WHY was the bridge altered? This structure has had no significant alterations since its construction.							

Was this bridge built as part of an organized bridge-building campaign? Unknown

SURVEYOR/HISTORIAN ANALYSIS:

This bridge may have National	Register significan	nce for its	association with:
A - Events	B- Person		_
C- Engineering/architec	tural character	X	-

Was the bridge constructed in response to significant events in Maryland or local history?

Reinforced concrete slab bridges are a twentieth century structure type, easily adapted to the need for expedient engineering solutions. Reinforced concrete technology developed rapidly in the early twentieth century with early recognition of the potential for standardized design. The first U.S. attempt to standardize concrete design specifications came in 1903-04 with the formation of the Joint Committee on Concrete and Reinforced Concrete of the American Society of Civil Engineers.

Maryland's road and bridge improvement programs mirrored economic cycles. The first road improvement program of the State Roads Commission was a 7 year program, starting with the Commission's establishment in 1908 and ending in 1915. Due to World War I, the period from 1916-1920 was one of relative inactivity; only roads of first priority were built. Truck traffic resulting from war-related factories and military installations generated new, heavy traffic unanticipated by the builders of the early road system. From 1920 to 1929, numerous highway improvements occurred in response to the increase in Maryland motor vehicles from 103,000 in 1920 to 320,000 in 1929, with emphasis on the secondary system of feeder roads which moved traffic from the primary roads built before World War I. After World War I, Maryland's bridge system also was appraised as too narrow and structurally inadequate for the increasing traffic, with plans for an expanded bridge program to be handled by the Bridge Division, set up in 1920. In 1920 under Chapter 508 of the Acts of 1920 the State issued a bond of \$3,000,000.00 for road construction; the primary purpose of these monies was to meet the state obligations involving the construction of rural post roads. The secondary purpose of these monies was to fund [with an equal sum from the counties] the building of lateral roads. The number of hard surfaced roads on the state system grew from 2000 in 1920 to 3200 in 1930. By 1930, Maryland's primary system had become inadequate to the huge freight trucks and volume of passenger cars in use, with major improvements occurring in the late 1930s. Most improvements to local roads waited until the years after World War II.

When the bridge was built and/or given a major alteration, did it have a significant impact on the growth and development of the area?
Unknown.

Is the bridge located in an area which may be eligible for historic designation and would the bridge add to or detract from the historic/visual character of the potential district?

No. This bridge is not located in an area which may be eligible for historic designation.

Is the bridge a significant example of its type?

Yes. The vast majority of extant concrete slab bridges in Maryland constructed between 1920 and 1940 either used or were based upon standard SHA Design Sheets. Bridge No. 16038 is a significant example of its type due to the unusual design of its parapet walls. It has also retained the integrity of its original design and materials.

PG: 61-27

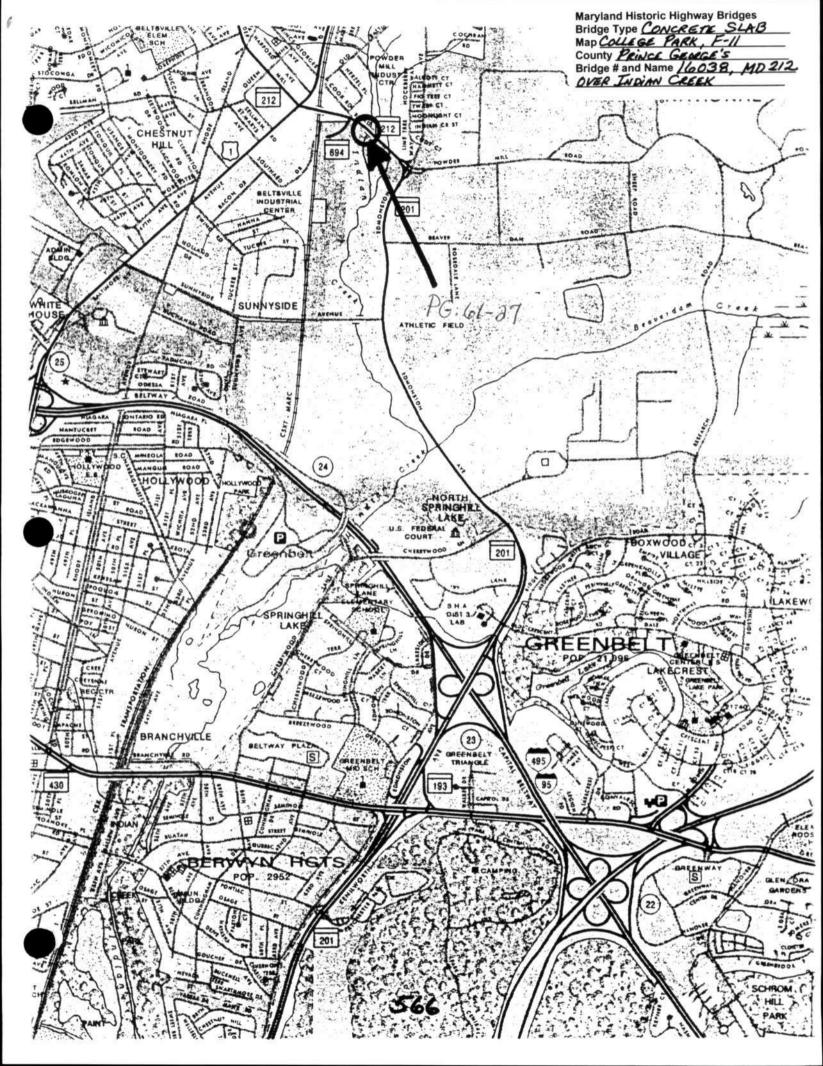
Does the bridge retain integrity of important elements described in Context Addendum? Yes. This bridge retains both the integrity of its original design and materials. It has had no major alterations, and according to the most recent bridge inspection report is in good condition.

Is the bridge a significant example of the work of a manufacturer, designer, and/or engineer? Unknown.

Should the bridge be given further study before an evaluation of its significance is made? Yes. Further evaluation is necessary to determine National Register significance. This bridge is potentially a significant example of its type. Additional research concerning the history of this bridge and its relationship to the surrounding landscape may be useful in providing a more complete picture of the bridge's background.

RIRI IOCDADHY.

County inspection/bridge files SHA inspection/bridge files X Other (list): SURVEYOR: Date bridge recorded _August 1995 Name of surveyor _Leo Hirrell Organization/Address P.A.C. Spero & Company; 40 West Chesapeake Avenue, Suite 412; Baltimore Maryland 21204 Phone number _410-296-1635 FAX number _410-296-1670	DIBLIOGRAI III.	
SURVEYOR: Date bridge recorded August 1995 Name of surveyor Leo Hirrell Organization/Address P.A.C. Spero & Company; 40 West Chesapeake Avenue, Suite 412; Baltimore Maryland 21204	[1] : 1 : 1 : 1 : 1 : 1 : 1 : 1 : 1 : 1 :	SHA inspection/bridge filesX
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Maryland 21204	Name of surveyor Leo Hirrell	
State of the state	Organization/Address P.A.C. Spero & Company;	40 West Chesapeake Avenue, Suite 412; Baltimore,
Phone number 410-296-1635 FAX number 410-296-1670	Maryland 21204	
	Phone number 410-296-1635	FAX number 410-296-1670





Inventory	#	PG:	61.	27

Name 16038- MD 2	12 WER INDIAN CREE
County/State PRINCE	GEORGES COUNTY MG
Name of Photographer _	WALLY KING
Date 195	
Location of Negative	SHA
Description EAST	APPROACH LOOKING
WEST	
Number 4 of 344	



Inventory # PG: 61-27

Name 16038-MO 212 OVER INDIAN CRE County/State PRINCE GEORGES COUNTY Name of Photographer WALLY KING	
Date 195 Location of Negative SHA	
Description NORTH ELEVATION	
Number 5 of 24 4	



			AN CREEK
County/State	PRINCE	GELRGES	COUNTY /MD
Name of Phot	ographer _	WALLYKIR)G
Date \\	15		
Location of N	egative	SHA	
Description _	South	ELEVATI	011
3	4		



Name 16038-MOZIZ OVER INDIAN CREEK
County/State PRINCE GEORGES COUNTY/ME
Name of Photographer WALLY KING Date 195
Location of Negative 5HA
Description WEST MARROACH LOOKING EAS
Number 7 of 24

MARYLAND HISTORICAL TRUST ADDENDUM SHEET Montgomery-Prince George's Short-term Congestion Relief

Property Name: Bridge 16038 Survey No.: PG:61-27

Property Address MD 212 (Powder Mill Road) over Indian Creek, Beltsville vicinity, Prince George's County	
Owner Name/Address State Highway Administration/ 707 N. Calvert Street, Baltimore, MD 21202	
Year Built 1937	

Description:

Bridge 16038 was previously surveyed in 1995, and was determined eligible for the National Register of Historic Places by the Interagency Review Committee in 1996.

The bridge is a 2-span, 2-lane concrete slab bridge. It has pierced parapets and stylized endblocks. The bridge is unchanged from the previous survey.

MHT CONCURRENCE: Eligibility recommended not recommended Criteria A B C D Considerations Comments:	_ABCDE	FGNone
Reviewer, Office of Preservation Services Date	Bkurtu Reviewer, NB program	2 2 99 Date

Page 1 Preparer: P.A.C. Spero & Company May 1998

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MARYLAND INVENTORY OF HISTORIC BRIDGES HISTORIC BRIDGE INVENTORY MARYLAND STATE HIGHWAY ADMINISTRATION/MARYLAND HISTORICAL TRUST

MHT No. PG:61-27

SHA Bridge No. 16038 Bridge name MD 212 over Indian Creek
LOCATION: Street/Road name and number [facility carried] MD 212
City/town Greenbelt Vicinity X
County Prince George's
This bridge projects over: Road Railway Water X Land
Ownership: State X County Municipal Other
HISTORIC STATUS: Is the bridge located within a designated historic district? Yes No _X National Register-listed district National Register-determined-eligible district Locally-designated district Other
Name of district
BRIDGE TYPE: Timber Bridge: Beam Bridge: Truss -Covered Trestle Timber-And-Concrete
Stone Arch Bridge
Metal Truss Bridge
Movable Bridge: Swing Bascule Single Leaf Bascule Multiple Leaf Vertical Lift Retractile Pontoon
Metal Girder: Rolled Girder Concrete Encased Plate Girder: Plate Girder Concrete Encased
Metal Suspension
Metal Arch
Metal Cantilever
Concrete X : Concrete Arch Concrete Slab X Concrete Beam Rigid Frame Other Type Name

					PG:61
	RIPTION:				
Setting	: Urban	X	Small town	Rural	
	e Setting:				
Bridge	No. 16038 ca	arries MD	212 over Indian Creel	k. It is located in a suburban	portion of Prince
George	's County.	Inere is a	in office complex loc	ated nearby. The road runs	s in an east-west
directio	on, and india	in Creek no	ows south-north.		
Describ	a Sunarstru	cture and	Substructure:		
				rete slab bridge constructed	l in 1027 The
superst	ructure com	nrises onen	concrete paranets ar	nd a concrete slab. The design	n of the personate
differer	tiate this st	ructure from	m standard SHA desi	igns constructed during the sa	ame time parapets
The par	rapets have a	articulated	coping stones, stylized	d openings, and the end block	s are reminiscent
of Stream	amline Mod	erne in the	ir design. The super	structure is supported by con	crete abutments
flared v	wingwalls, an	nd a solid	pier. These substruc	ture elements are all decora	ted with molded
chamfe	ring, and the	e wingwalls	have a simple cap.	The approaches all have guid	derails which are
	into the para			3	
	2	36			
The mo	ost recent in	ispection o	of this bridge was co	mpleted in May 1995, and i	ts condition was
				werse cracks and hollow sour	
				with efflorescence and exuda	
				sed. The south end of the p	
				d rebar exposed. This deterio	
				long the bottom edge has a	
				scence, cracking, water abrasic	
				. The wingwalls have light wa	iter abrasion and
a lew II	ne vertical c	Tacks. The	parapets have scalin	g with aggregate exposed.	
Discuss	Major Alte	rations			
			records for this bridg	e, the structure has had no m	aior alterations
, iccordi	ing to availa	ore county	records for tims orrag	e, the structure has had no h	lajor atterations.
HISTO	RY:				
WHEN	was the brid	dge built (a	ctual date or date ra	nge) 1937	
	te is: Actua			Estimated X	_
	of date: Pla		Design plans X		ection form
Other (specify) Sta	te Highway	Administration brid	ge files	
WIIV	and the best dear				
	vas the bridg				·
Local	ransportatio	ii liceus	18		

WHO was the designer? Unknown

WHO was the builder? Unknown

WHY was the bridge altered?

This structure has had no significant alterations since its construction.

Was this bridge built as part of an organized bridge-building campaign? Unknown

SURVEYOR/HISTORIAN ANALYSIS:

This bridge may have Nation	al Register significan	ce for its	association	with:
A - Events	B- Person		_	
C- Engineering/archit	ectural character	X	-	

Was the bridge constructed in response to significant events in Maryland or local history?

Reinforced concrete slab bridges are a twentieth century structure type, easily adapted to the need for expedient engineering solutions. Reinforced concrete technology developed rapidly in the early twentieth century with early recognition of the potential for standardized design. The first U.S. attempt to standardize concrete design specifications came in 1903-04 with the formation of the Joint Committee on Concrete and Reinforced Concrete of the American Society of Civil Engineers.

Maryland's road and bridge improvement programs mirrored economic cycles. The first road improvement program of the State Roads Commission was a 7 year program, starting with the Commission's establishment in 1908 and ending in 1915. Due to World War I, the period from 1916-1920 was one of relative inactivity; only roads of first priority were built. Truck traffic resulting from war-related factories and military installations generated new, heavy traffic unanticipated by the builders of the early road system. From 1920 to 1929, numerous highway improvements occurred in response to the increase in Maryland motor vehicles from 103,000 in 1920 to 320,000 in 1929, with emphasis on the secondary system of feeder roads which moved traffic from the primary roads built before World War I. After World War I, Maryland's bridge system also was appraised as too narrow and structurally inadequate for the increasing traffic, with plans for an expanded bridge program to be handled by the Bridge Division, set up in 1920. In 1920 under Chapter 508 of the Acts of 1920 the State issued a bond of \$3,000,000.00 for road construction; the primary purpose of these monies was to meet the state obligations involving the construction of rural post roads. The secondary purpose of these monies was to fund [with an equal sum from the counties] the building of lateral roads. The number of hard surfaced roads on the state system grew from 2000 in 1920 to 3200 in 1930. By 1930, Maryland's primary system had become inadequate to the huge freight trucks and volume of passenger cars in use, with major improvements occurring in the late 1930s. Most improvements to local roads waited until the years after World War II.

When the bridge was built and/or given a major alteration, did it have a significant impact on the growth and development of the area?

Unknown.

Is the bridge located in an area which may be eligible for historic designation and would the bridge add to or detract from the historic/visual character of the potential district?

No. This bridge is not located in an area which may be eligible for historic designation.

Is the bridge a significant example of its type?

Yes. The vast majority of extant concrete slab bridges in Maryland constructed between 1920 and 1940 either used or were based upon standard SHA Design Sheets. Bridge No. 16038 is a significant example of its type due to the unusual design of its parapet walls. It has also retained the integrity of its original design and materials.

PG: 61-27

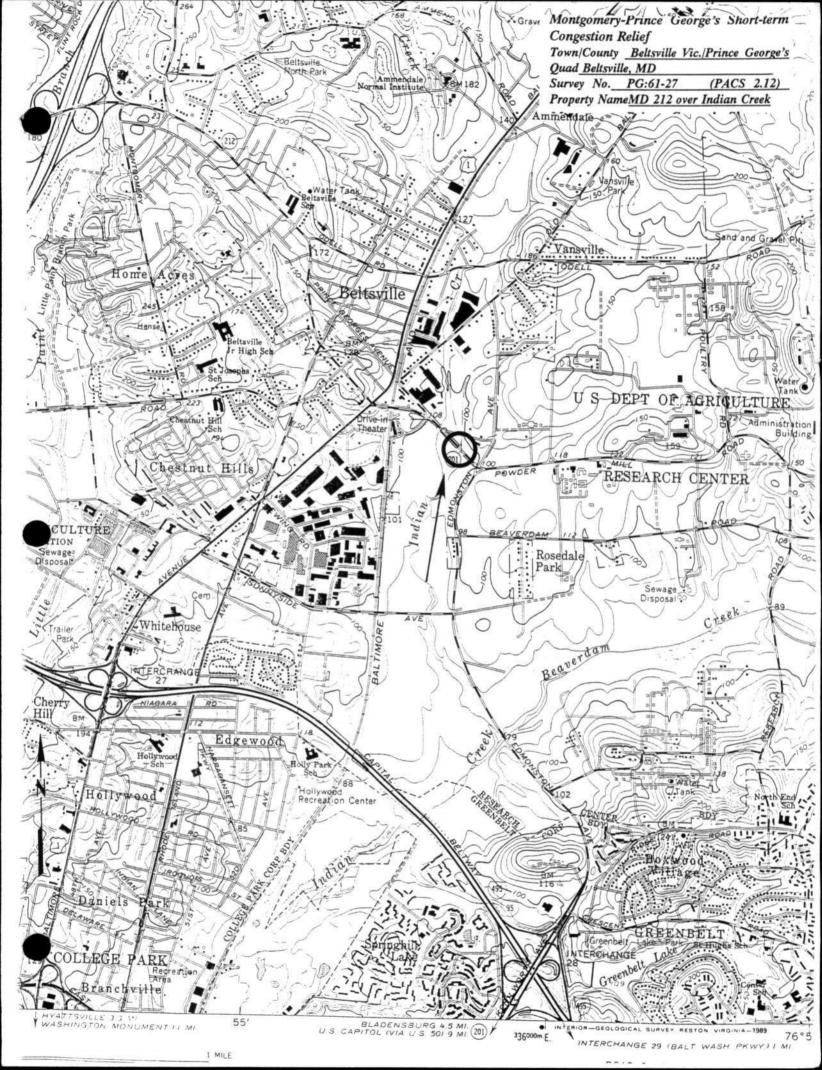
Does the bridge retain integrity of important elements described in Context Addendum?

Yes. This bridge retains both the integrity of its original design and materials. It has had no major alterations, and according to the most recent bridge inspection report is in good condition.

Is the bridge a significant example of the work of a manufacturer, designer, and/or engineer? Unknown.

Should the bridge be given further study before an evaluation of its significance is made? Yes. Further evaluation is necessary to determine National Register significance. This bridge is potentially a significant example of its type. Additional research concerning the history of this bridge and its relationship to the surrounding landscape may be useful in providing a more complete picture of the bridge's background.

BIBLIOGRAPHY:	
County inspection/bridge filesOther (list):	SHA inspection/bridge files X
SURVEYOR:	
Date bridge recorded August 1995	
Name of surveyor Leo Hirrell Organization/Address P.A.C. Spero & Compar	ny; 40 West Chesapeake Avenue, Suite 412; Baltimore
Maryland 21204	171 10 est citedap cancer t. oliaci batto 121 battilliore
Phone number 410-296-1635	FAX number 410-296-1670





PG: 61-27 2 Bridge 16038 3 Prince Georges Co. Md 4 Susan Jaylor 6 NID SHIPO 1 E approach 8 /of 5



PG: 61-27 2 Budge 16038 3 Prince Deoges Co, Md 4. Susan Daylor 5 5 98 6 MD SHPO 1 W approach 82015

222 0351 N N N T



PG: 61-27 2 Budge 16038 3 Punce Georges Co, Md 4 Susan Saylor 5 5/98 6 Md SHPO 7 Nelevation 8 3045

1420.8+0



PG 61-27 2 Bridge 16038 3 Prince Deorges Co Md 4 Swan Daylor 5 5/98 6 MOSTIPO 1 I elevation 8 4 85

218 N N N 1220 8 PC



PG: 61-27 2 Budge 16038 3 Prince Georges Co, Mal 4 Dusan Daylor 5 5/98 6 MO SHPO 7 End Block, de tail 650f5

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